

How to make e-learning courses in curricula of natural resources management more sustainable?

- why e-Learning?
- sustainable courses
- a new partnership
- outlook



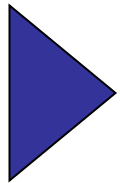
Siegfried Lewark

"... the Internet may be the means of realizing a forestry lecturer's dream.

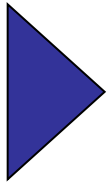
Imagine being able to discuss, for example, different timber harvesting systems used internationally with a group of motivated students from different regions of the globe in one virtual classroom."

(Längin, Ackerman & Lewark, 2004)

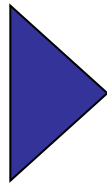
potential of e-learning



learning: any time, any place, any pace



teaching: sharing resources, low cost



University: creates income

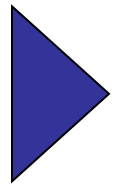


BUT: sobering after euphoria

Make e-learning courses more sustainable

think of a Master student or a PhD researcher in
your university

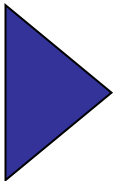
interested in



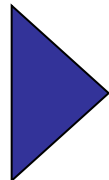
grassland ecology



NFTP use



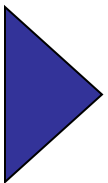
land use rights in the tropics



ethics

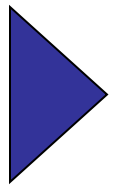


gender studies

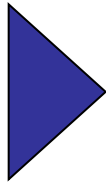


forest inheritance patterns in the Nordic countries

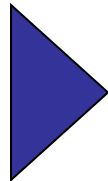
this student may find



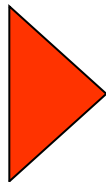
experts somewhere in the world



publications, internet information



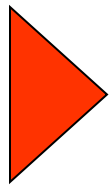
specialized courses



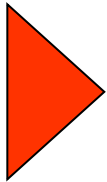
but very often no means of going there for
personal contact or participation

Make e-learning courses more sustainable

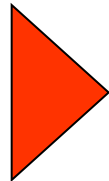
the experts / teachers may find



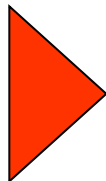
few students in their own universities



little chance for their courses in curricula



courses not counted for workload



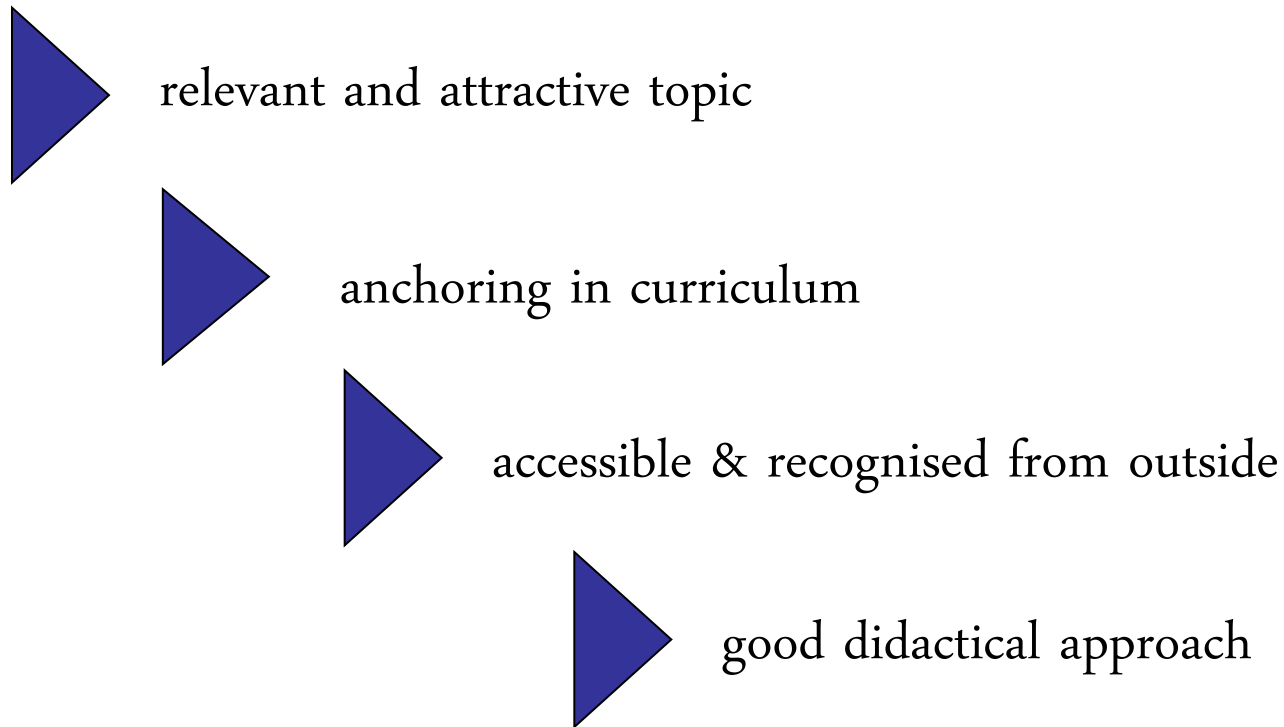
little encouragement

this calls for distance learning solutions!



but it is not only about „exotic courses“, it may also fit for specialized courses which are well established somewhere, and later also for „standard“ courses?

how could a sustainable course offer look like?



Gender roles in environmental management (internet course)

Dates: February till June 2008

Credits: 5 ECTS credits

Learning/teaching will be organised interactively using an internet based e-learning platform. Learner orientation, learning methods: literature search and evaluation, assignments, biographical interviews – communication tools: e-mail, fora, chats. We will offer – in a sense of blended learning – a face-to-face phase at the beginning (details to be announced to accepted participants) at the universities of Freiburg and Joensuu (obligatory for participants from those universities).

Teaching staff: Prof. Dr. Siegfried Lewark, Dr. Marion Karmann

Level: The course will be open for graduate and PhD-students. Details to be agreed upon during the starting phase.

Course elements and requirements

18.00 h Freiburg time is standard

	extra chats	chats	chat schedule	weekday	contents	comments
approximately in logical & chronological order	extrachat 1		17.2.	Wed		
		chat 1	23.2. (15.00 Joensuu)	Tue		
	extra	chat outofJ	3.3.	Wed		
		chat 2	10.3.	Wed		
	extrachat 2	outofJoensuu	31.3.	Wed		postponed!
dates of chats may change		chat 3	24.3.	Wed	ass1	
		chat 4	14.4.	Wed	ass2	
		chat 5	28.4.	Wed	ass3	
		chat 6	12.5.	Wed	ass4	
deadlines for assignments come with the task			27.5. needed?	Wed		
		chat 7	9.6.	Wed		
		chat 8	24.6.	Wed		
		chat 9	7.7.	Wed	interviews	
	extrachat 3		21.7. oder später	Wed	interviews	
	extrachat 4		4.8.	Wed	conclusion	

assignments		topic	deadline			comments
deadlines and valid topic come with the task	ass 1	synopsis	8.3.			
	ass 5	property rights	15.3.	for discussion on Mar 31		
	ass 6	Gender quota				
	ass 2	explore	22.3.			
	ass 3	synopsis_2	12.4.			
	ass 4	methods				
	interview 1		24.6.			
	interview 2		8.7.			
	concluding essay		15.7.			

requirements	participation in at least 6 chats (or extra chats)	all assignments (Joensuu group only ass 1 to 4)	at least 2 interviews		self pre-sentation
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grading base			concluding task (essay)	one interview, selected by participant
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a new attempt to give some support





the **W**orld-wide **E**-**L**earning **A**cademy for **N**atural Resources, Forestry & Wood Science

regulations: course format, course delivery, credit recognition, accreditation, tuition fees



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model 0: single courses offered, propagated, made accessible
courses existing or to be developed

-



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model 0: single courses offered, propagated, made accessible
courses existing or to be developed -

model 1: course package -
to be developed

project 1.1: e.g. bioenergy

project 1.2: ... governance

project 1.x: xxx



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to be developed

model 2: curriculum -
to be developed -
certificate at one university

project 1.1: e.g. bioenergy

project 2.1: e.g. bioenergy

project 1.2: ... governance

project 2.x: xxx

project 1.x: xxx



the **W**orld-wide **E**-**L**earning **A**cademy for **N**atural Resources, Forestry & Wood Science

regulations: course format, course delivery, credit recognition, accreditation, tuition fees

model 0: single courses offered, propagated, made accessible
courses existing or to be developed -

model 1: course package -
to be developed

model 2: curriculum -
to be developed -
certificate at one university

model 3: curriculum -
to be developed -
double / multiple university
diploma

project 1.1: e.g. bioenergy

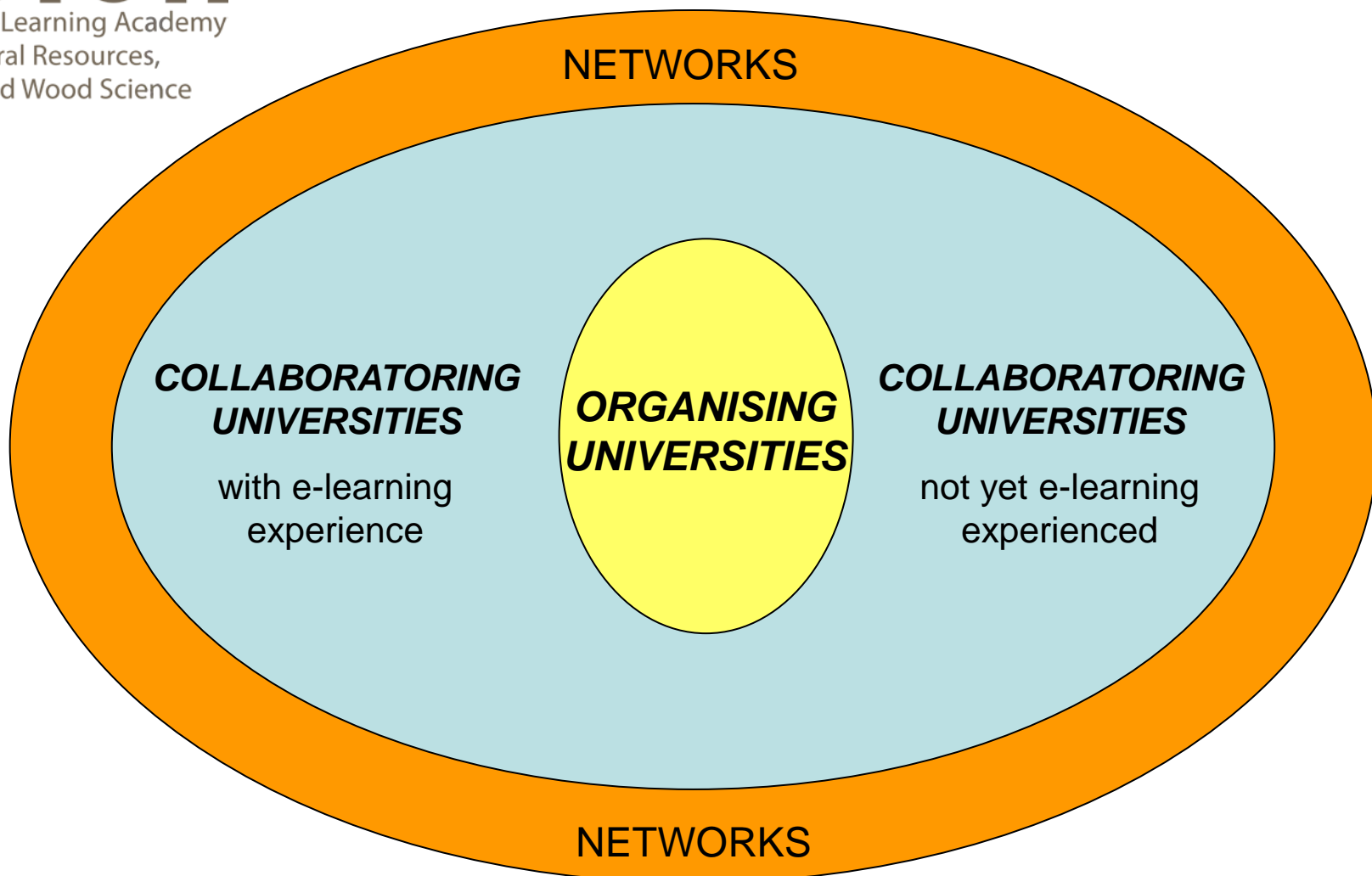
project 2.1: e.g. bioenergy

project 3.1: e.g. bioenergy

project 1.2: ... governance

project 2.x: xxx

project 1.x: xxx



Make e-learning courses more sustainable



IPFE is launching a marketplace for distance education (E-learning) courses in forestry

Today's forestry graduates face increasingly complex working environments. Graduates need to be equipped to deal with emerging paradigms of global dimensions such as integrated ecosystem management, landscape restoration, deforestation, forest governance, forest biodiversity, forest and climate change to name a few. Most universities do not have the teaching resources to offer all of this.

This knowledge, and required expertise, could be made available to students in any location through the use of information and communication technologies such as E-learning. E-learning can provide independent virtual learning environments tailored to the needs of customers anywhere in the world. Considerable effort and money has already gone into the development of E-learning courses in forestry, but unfortunately sustainable examples are few. In many cases E-learning opportunities were not well promoted or were not easily accessible and supply did not meet demand.



IPFE

International Partnership for Forestry Education

English | Spanish

Main page

Virtual studies of the member universities (in alphabetical order):

News:

Background

1. Oregon State University

19.2.2010. Please visit page Virtual Studies to see courses. **Updated!**

Organization

NEW: Master of Natural Resources (MNR) Graduate Degree – Online

Charter

Beginning in academic year 2010-2011

Members

Overview: This 45-credit online master's degree program is designed to bring together university scientists and world-wide natural resource professionals to address natural resource challenges at the state, regional, national, and international levels. The curriculum combines multiple disciplines to develop competency in integrating specialized resource knowledge across multiple scientific fields. Students will integrate knowledge of the interaction of ecological, economic, ethical, production, and social systems to find solutions to complex natural resource issues.

19.2.2010!!. Vancouver International Symposium on Forestry Education May 2010

Newsletters

22.6.2009. The International Conference on the Efforts in Response to Forest-Related Natural Disasters in Beijing on April 12-14, 2010

Gallery

Events

Important links

For more information, please contact Dr. Badege Bishaw Badege.Bishaw@oregonstate.edu

Virtual studies

Sustainable Natural Resources Graduate Certificate – Online

Contact information

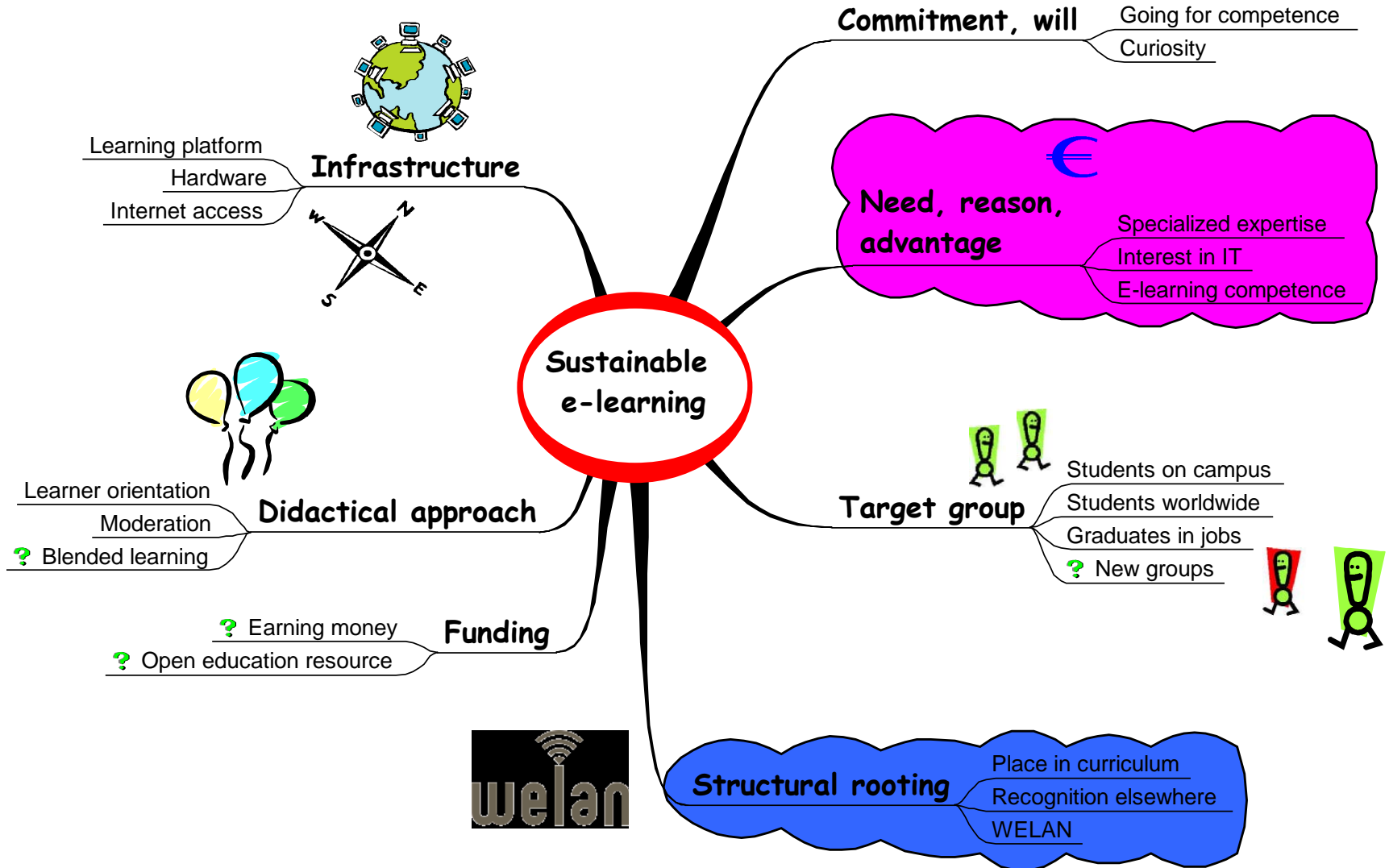
Overview: This 18-credit online certificate is designed for all students, especially company, industry or agency employees who desire training in solving complex sustainability problems. The curriculum is structured to address natural resource management issues anywhere in the world, therefore expanding its educational value beyond Oregon's ecosystems.

Website: <http://ecampus.oregonstate.edu/online-degrees/graduate/sustainability/>

Other Online Natural Resource-Related Degrees from OSU:

Graduate:

Make e-learning courses more sustainable



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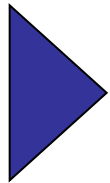
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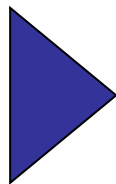
Open Education Resources (OER)



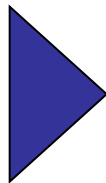
great idea



great e.g. for African students



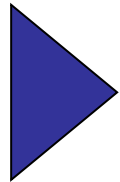
but then – who pays?



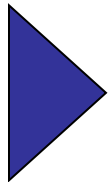
worth more consideration

Make e-learning courses more sustainable

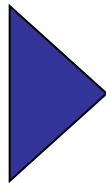
How to?



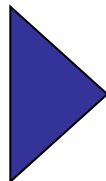
teacher can do it easily, little input



learner oriented

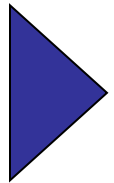


open resource learning platform

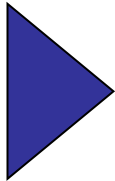


use the freedom you have

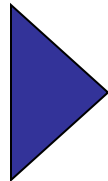
what could be done?



hold courses together



develop and offer special courses



make courses accessible & recognized

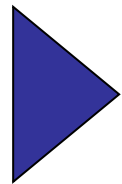


inform & encourage students

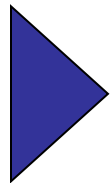
Some concluding remarks

- ▶ e-learning can enrich MSc programmes
- ▶ rather elective courses
- ▶ providing time slots advisable
- ▶ students should be encouraged

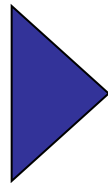
more concluding remarks



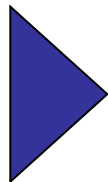
recognition should be facilitated



learner oriented methods important



open learning resources explored



WELAN may help in future

Gender & environmental management: state of knowledge

